BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to CC Road and Patch Works at Vinayakangara in ward No. 11 (Kuvempungara) in Vidyaranyapura sub Division (Coconut Garden Asphalt Road).

								Estimate Cost Rs.	1500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2015-16**	Cum							
	For Drain Desilting.								
	Coconut Garden Surrounding		2	115.00	0.45	0.35	36.23		
			2	110.00	0.45	0.40	39.60		
			2	82.00	0.45	0.35	25.83		
	For Road Work								
	Coconut Garden Surrounding		1	115.00	5.00	0.15	86.25		
			1	110.00	5.00	0.15	82.50		
			1	82.00	5.00	0.15	61.50		
							331.91	83.16	**27601.00**
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	**83.16**							
2	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2015-16**	Sqm							
	Coconut Garden Surrounding		2	115.00		1.35	310.50		
			2	110.00		1.35	297.00		
			2	82.00		1.35	221.40		
							828.90	63.72	**52818.00**
	Basic Rate	59.00							
	Area Weightage @ 8%	4.72							
	Total	**63.72**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No. 2				**828.90**	78.84	**65350.00**
	Basic Rate	73.00							
	Area Weightage @ 8%	5.84							
	Total	**78.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, **Page No. 157 / Item No. 20.18 / PWD SR 2015-16**	Cum							
	Coconut Garden Surrounding		1	115.00	5.00	0.20	115.00		
			1	110.00	5.00	0.20	110.00		
			1	82.00	5.00	0.20	82.00		
							307.00	1713.96	**526186.00**
	Basic Rate	1587.00							
	Area Weightage @ 8%	126.96							
	Total	**1713.96**							
5	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means complete as per specifications. MORTH specification NO. 502, **Page No. 160 / Item No. 21.6 / PWD SR 2015-16**	Sqm							
	Coconut Garden Surrounding		1	115.00	5.00		575.00		
			1	110.00	5.00		550.00		
			1	82.00	5.00		410.00		
							1535.00	32.40	**49734.00**
	Basic Rate	30.00							
	Area Weightage @ 8%	2.40							
	Total	**32.40**							
6	KSRRB M500-19: Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve, the desired compaction as per MORTH specification clauses No. 500.9 complete in all respects complete as pr specifications. **Using 100/120 TPH capacity H.M.P with sensor paver Gr-II (30 mm to 45 mm) with 6 % CRMB 55 Page No. 164 / Item No. 21.23.2 / PWD SR 2015-16**	Cum							
	Coconut Garden Surrounding		1	115.00	5.00	0.040	23.00		
			1	110.00	5.00	0.040	22.00		
			1	82.00	5.00	0.040	16.40		
							61.40	11843.28	**727177.00**
	Basic Rate	10966.00							
	Area Weightage @ 8%	877.28							
	Total	**11843.28**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km (PWD SR 2015-16** Rates P No 139)	Cum							
			Qty. Vide Item No. 1				**331.91**	106.34	**35294.00**
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
		98.46							
	Area Weightage @ 8%	7.88							
	Total	**106.34**							
8	Sub Total								**1484160.00**
9	Third Party Inspection Charges @ 1%								**14842.00**
10	Add for unforseen and rounding off	L/S							**998.00**
								Total	**1500000.00**

(Rupees fifteen Lakhs Only)

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

H.V. 14/12

Junior Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For 15.00 lakhs
Head of A/C P3075
CER NO :89A Dt: 16-12-15

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 1500000=00
Head of A/c. P-3075
Div. Ref. No. 267/15-16 Date 26.12.15
AE 26/12
EE (BTP) 26/12/15